

5787973-1 ✓ ACTIVE

CHAMP | CHAMP .8 mm Connector

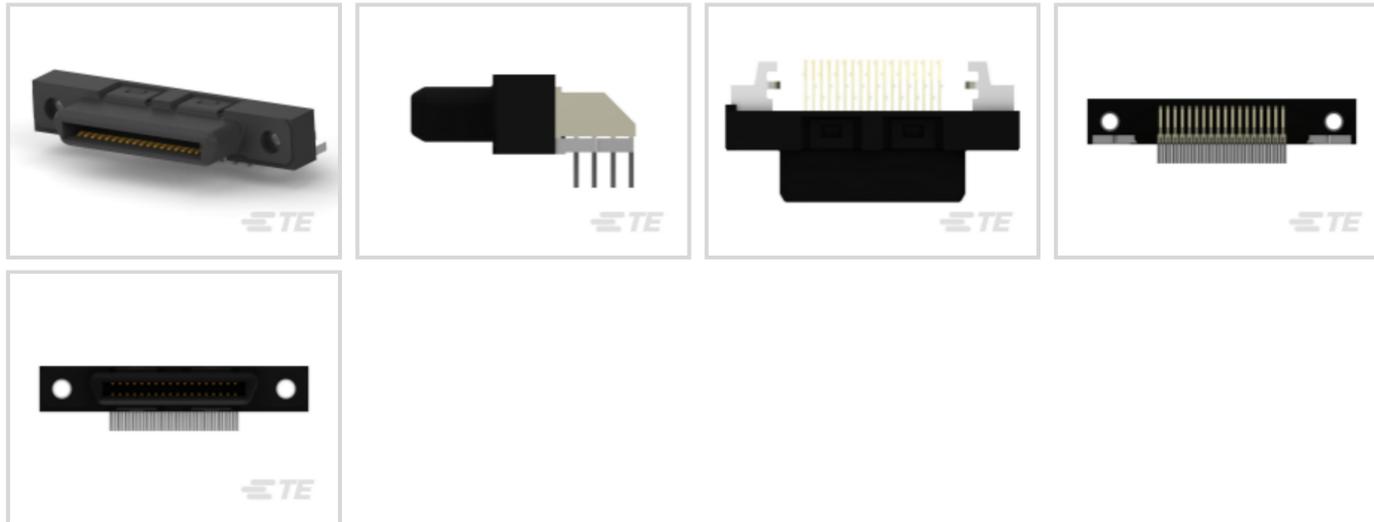
TE Internal #: 5787973-1

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 36 Position, .8 mm [.031 in] Centerline, 2 Row, Low Profile, Right Angle, CHAMP .8 mm Connector

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector & Housing Type: **Receptacle**

Connector System: **Cable-to-Board**

Number of Positions: **36**

Centerline (Pitch): **.8 mm [.031 in]**

Number of Rows: **2**

Features

Product Type Features

Center Ground Plate	Without
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Shielded	Yes
Product Classification	Connector - Board-to-Board
Product Type	Connector
Product Category	Connectors - Printed Circuit Board

Configuration Features

Stacked	No
Number of Signal Positions	36
Number of Positions	36
Number of Rows	2



PCB Mount Orientation	Right Angle
Preloaded	Yes

Body Features

Insert Material	Thermoplastic
Connector Profile	Low
Post Size	.254 mm
Shell Plating Material	Nickel over Copper
Shell Material	Carbon Steel

Contact Features

Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.3 A, .5 A, 1.5 A
Contact Mating Area Plating Thickness	.76 μm [30 μin]

Termination Features

Termination Method to Printed Circuit Board	Surface Mount, Through Hole - Solder
Termination Post Length	2.1 mm[.083 in]

Mechanical Attachment

PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Retention Leg
Mating Retention	With
Mating Retention Type	Mounting Holes
Connector Mounting Type	Board Mount
Boardlock Plating Material	Tin-Lead over Nickel
Mounting Angle	Right Angle
Mounting Hole Diameter	1.2 mm
Boardlock Material	Brass

Housing Features

Centerline (Pitch)	.8 mm[.031 in]
Housing Material	Thermoplastic
Housing Color	Black



Dimensions

Row-to-Row Spacing	1.15 mm [.045 in]
PCB Thickness (Recommended)	1.6 mm

Usage Conditions

Operating Temperature Range	-55 – 85 °C [-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Insert Flammability Rating	UL 94V-0
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Package
Packaging Quantity	48

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

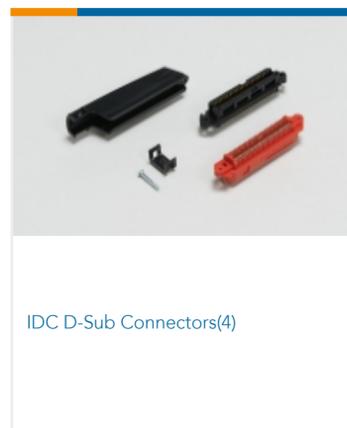
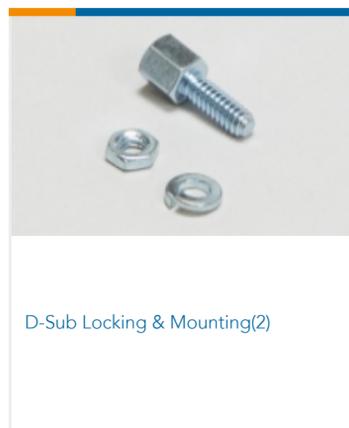
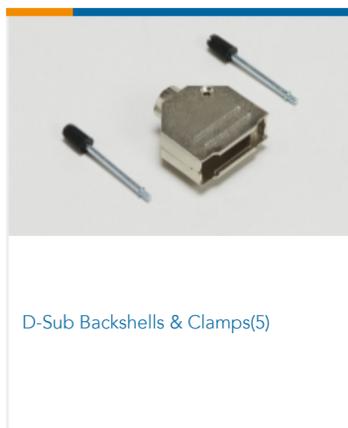
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits

as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



Also in the Series | CHAMP .8 mm Connector



Documents

Product Drawings

36 .8MM CHAMP RCPT ASSY

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5787973-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5787973-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5787973-1_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications



[Application Specification](#)

English

[Instruction Sheets](#)

[Instruction Sheet \(U.S.\)](#)

English

[Instruction Sheet \(U.S.\)](#)

English

[Mass Termination Tooling Assembly 543580-1 & Cutter Subassembly 543610](#)

English